

ABSTRACT OF THE DISCLOSURE

Combustion method and apparatus for NO<sub>x</sub> reduction and CO reduction which are capable of easily achieving super NO<sub>x</sub> reduction with the value of exhaust NO<sub>x</sub> under 10  
5 ppm. The combustion method for NO<sub>x</sub> reduction by controlling the temperature of combustion gas derived from a burner includes in combination the steps of suppressing combustion gas temperature by heat absorbers; suppressing the combustion gas temperature by recirculating burning-  
10 completed gas to a combustion-gas burning reaction zone; and suppressing the combustion gas temperature by adding water or steam to combustion-use air of the burner, whereby the temperature of the combustion gas derived from the burner is suppressed.